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The Examiner is respectfully requested to amend the above-identified
application as follows:

IN THE CLAIMS

Please amend Claims 46 and 49, and add Claims 53 to 58, to read as
follows. A marked-up copy of the amended claims, showing the changes made thereto, is
attached.

 46. (Amended) A printing head having a recording element, comprising:
a sensor which detects the condition of said printing head and outputs an
analog signal; and
an A/D converter which converts the analog signal from said sensor into a
digital value, in order to output information on the condition of said printing head to the
outside of said printing head as a digital value.

 49. (Amended) The printing head according to claim 46, wherein said
recording element is an electrothermal transducer.

 53. (New) The printing head according to claim 1, wherein said printing is
adapted to be removable from a printing apparatus.

54. (New) The printing head according to claim 17, wherein said printing head is adapted to be removable from a printing apparatus.

55. (New) The printing head according to claim 28, wherein said printing head is adapted to be removable from a printing apparatus.

56. (New) The printing head according to claim 38, wherein said printing head is adapted to be removable from a printing apparatus.

57. (New) The printing head according to claim 46, wherein said printing head is adapted to be removable from a printing apparatus.

58. (New) The printing head substrate according to claim 10, wherein said substrate is adapted to be removable from a printing apparatus.

REMARKS

This application has been reviewed in light of the Office Action dated August 27, 2001. Claims 1-58 are presented for examination. Claims 46 and 49 have been amended to define still more clearly what Applicants regard as their invention. Claims 53-58 have been added to provide Applicants with a more complete scope of protection. Claims 1, 10, 17, 28, 38, 46, 51 and 52 are in independent form. Favorable reconsideration is requested.